

## **ABSTRACT OF THE INVENTION**

A brush for *in situ* cleaning of one or more passageways defined by a medical device. The brush includes a NiTiNOL shaft attached to a fill section by way of a proximal connector sleeve that is resistance welded to the fill section and the shaft. The fill section is preferably composed of braided wire and includes bristles, or fill, interweaved with the braided wire. The fill section in turn, is attached to an atraumatic tip by way of a distal connector sleeve which is resistance welded to the fill section and the atraumatic tip. The atraumatic tip includes a NiTiNOL core wire about which is disposed a gold-plated tungsten coil readily visible under a fluoroscope. The coil is bonded to the core wire. A bulb disposed on the coil helps effectuate cleaning of the passageway while also protecting the patient and the medical device from cleaning-related trauma.